VFS24/32HDIP

Public Display IP Monitor
User Manual

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Before You Begin

Read these instructions before installing or operating this product.

Note: This installation should be made by a qualified service person and should conform to local codes.
This manual provides installation and operation information. To use this document, you must have the following minimum qualifications:

- A basic knowledge of CCTV systems and components
- A basic knowledge of electrical wiring and low-voltage electrical connections

Intended use
Only use this product for its designated purpose; refer to the product specification and user documentation.

Customer Support
For assistance in installing, operating, maintaining and troubleshooting this product refer to this document and any other documentation provided. If you still have questions, please contact Norbain Technical Support and Sales:

Vista, 210 Wharfedale Road, IQ Winnersh, Wokingham, Berkshire RG41 5TP, England.

UK +44 (0) 118 912 5000

Note: You should be at the equipment and ready with details before calling Technical Support.

Conventions Used in this Manual
Boldface or button icons highlight command entries. The following **WARNING, CAUTION** and **Note** statements identify potential hazards that can occur if the equipment is not handled properly:

* **WARNING:**
Improper use of this equipment can cause severe bodily injury or equipment damage.

**** Caution:**
Improper use of this equipment can cause equipment damage.

Note: Notes contain important information about a product or procedure.

This apparatus is manufactured to comply with the radio interference.
A Declaration of Conformity in accordance with the following EU standards has been made. The manufacturer declares that the product supplied with this document is compliant the provisions of the EMC Directive 2004/108/EC, the CE Marking Directive 93/68 EEC and all associated amendments.

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive: 2011/65/EU, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited in the directive.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

* This symbol indicates electrical warnings and cautions.
** This symbol indicates general warnings and cautions.

NORBAIN SD LTD reserves the right to make changes to the product and specification of the product from time to time without prior notice.

WARNINGS AND CAUTIONS:
To reduce the risk of fire or electric shock, do not insert any metallic objects through the ventilation grills or other openings on the equipment.

WARNING
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Package List

A. LCD IP Monitor	x 1
B. Power Cord	x 1
C. User Manual	x 1
D. 12V Power Adapter	x 1
E. USB Mouse	x 1

Side Panel Control buttons

Control buttons on side of monitor

1. Power

Push to turn on and turn off the unit.

LED Green light: Power on

LED Red light: Standby mode.

2/3. Adjust UP /DOWN

UP: Used as UP function. Or Increase value on the OSD Menu.
And as a hot key for color adjust function.

DOWN: Used as DOWN function. Or Decrease value on the OSD Menu.
And as a hot key for auto adjust function.

4. Item:

Hot key for OSD adjustments of Volume , Contrast, Brightness,
, and Red, Green, Blue.

5. Menu

Push to call out OSD menu. Or Used as Confirm function in OSD Menu.

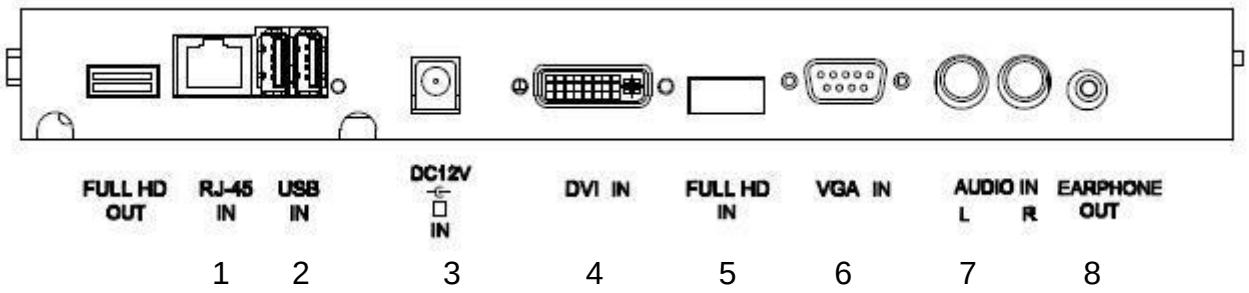
6. Source

Select input signal from D-SUB, HD,DVI ,and IP.

KEY Lock Function:

Push "Menu" and "Item" , OSD of screen will show "Key Lock on", Into key lock mode.
And push again , OSD of screen will show "Key Lock off ", Into key unlock mode.

Connections



1: Network connection RJ45
2: USB mouse connection
3: DC 12V IN
4: DVI-D IN
5: HDMI input
6: VGA In
7: AUDIO R/L IN
8: Earphone OUT

OSD Function

Color
Image Setting
OSD Menu
Signal Source
Audio
Misc.
Back

Color:

Contrast
Adjust background black level of the screen image.

Brightness
Adjust fore ground white level of the screen image.

Color Adjust
Adjust Red, Green, Blue, color deepness for Users.

Color Temp
Adjust color temperatures for users.
9300, 6500, 5800, sRGB, USER

Back
Exit OSD menu.

Image Setting:

Clock

Adjust image distortion appearing as vertical or “noise” on the screen.

Phase

Adjust image distortion appearing as horizontal or “noise” on the screen.

Sharpness

Adjust the clarity and focus of the screen images.

H. Position

Move the screen image left or right.

V. Position

Move the screen image up and down.

Back

Exit OSD menu.

OSD Menu:

OSD H. Pos

Move the OSD menu position left or right.

OSD V. Pos

Move the OSD menu position up or down.

OSD Timer

Set the OSD menu display time.

Language

Select the desired language as English, French, German, Spanish, Traditional Chinese Simplified Chinese, and Japanese.

Back

Exit OSD menu.

Signal source

Select the input signal VGA, HD, DVI, and IP.

Back

Exit OSD menu.

Audio

Volume

Control built-in speakers' output Volumes

Mute

Disable the unit's sound output

Back

Exit OSD menu.

.**Misc:**

Auto Adjust

Adjust the best image.

Color Adjust

Adjust the best image color.

Reset

Return to factory default setting.

Obiter

Use the manual buttons to on/off the screen saver

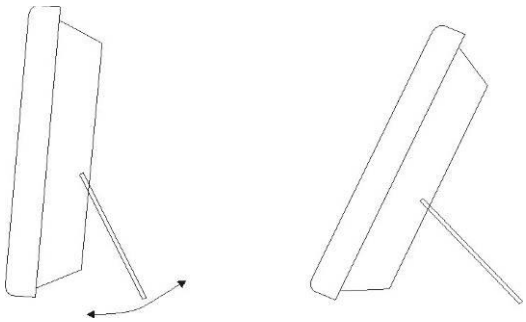
Exit:

Exit the OSD menu.

LCD monitor Mounting Guide

A. Desktop

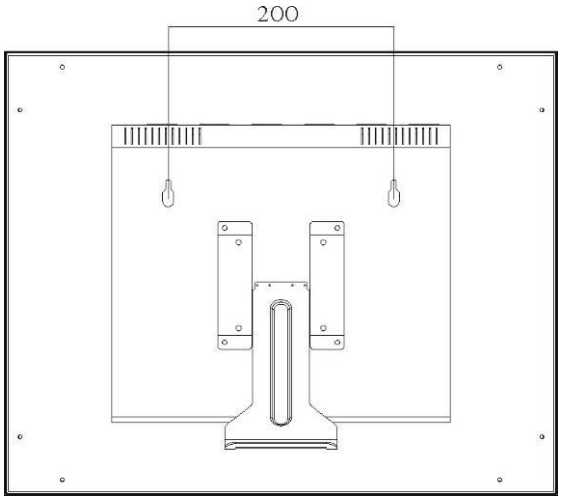
Adjust the viewing angle of LCD to fit most comfortable monitoring status.



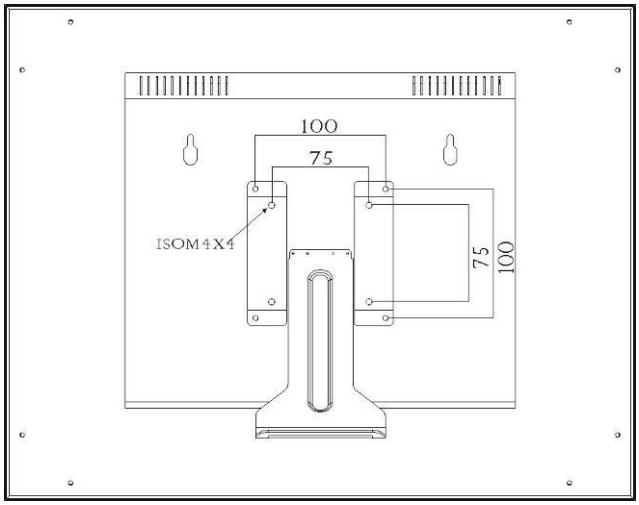
B. Wall mount

Free your space with wall mount design.

Please follow the fix-hole size in back panel to install the LCD to the wall.



C. VESA Bracket



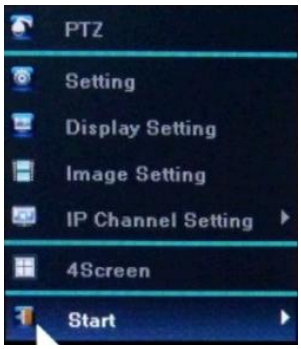
Getting started

Power up

Plug power cable, press power switch on the side of the monitor, the power LED will be display and the Monitor will start it's boot up process, This will take approx 30 seconds After booting, the video output defaults to the quad display.

Power Down

The recommended way of shutting down the monitor is via the on screen menu. Right click on the screen to display the following menu:



Select the "Start" option to display the following menu:

Click on the Power Off option, and select "Yes" .
Note: The users logon level needs to have the correct authority to allow a power off.

Logging into the Monitor

Once the monitor has booted use the mouse, right click on the screen, the following menu will be displayed:

Click on the “Start” button, and select the Login / Logout option as shown below:

A Login screen will display as shown below, the Default is “Admin” with no password, it is recommended that a secure Admin password is created, see accounts section of main Settings Menu.

Setting the language and IP address via Wizard

When login details are input click on Login, a login wizard will run, this allows you to set up the language in which the menus are displayed, and the IP address of the monitor, clicking on a field within the menu will display an on screen keyboard, use the mouse to select and delete characters as required.

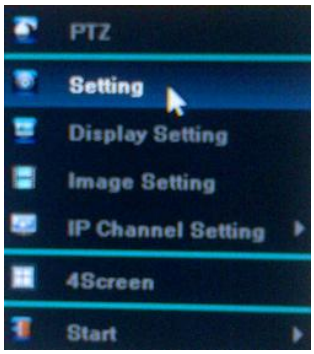
Setting language

Setting the Monitor IP Address

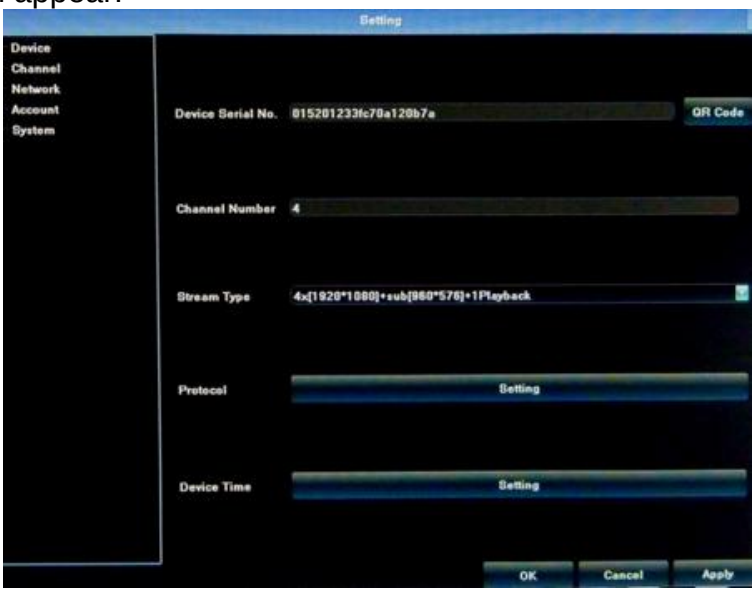
Setting the monitor to display 1 or multiple cameras

The monitor can be configured to either display a single full screen camera, a sequence of full screen images or a quad of 4 cameras.

Right click on the screen to display the following menu and select the “Setting” options:



The following screen will appear:



Click on the “Stream Type” field, a drop down menu will be displayed.

For a single full HD camera select:

1x(1920x1080)+sub(960x576)+1xPlayback

For four cameras of resolution under 1080p select:

1x(1280x960)+sub(960x576)+4xPlayback

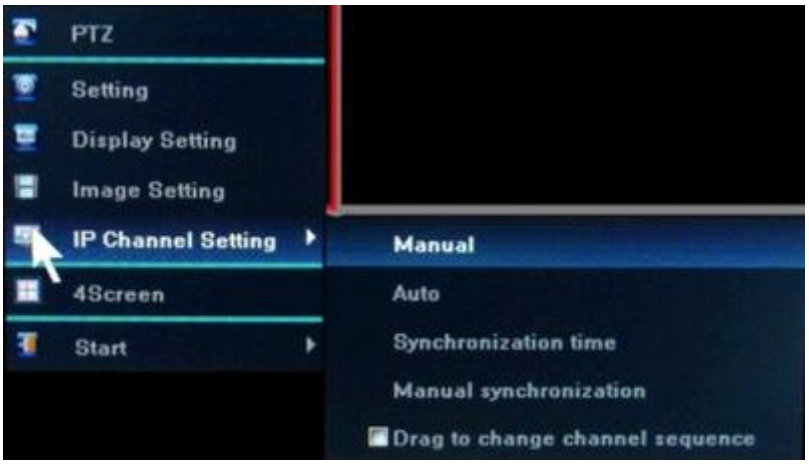
For four cameras of resolution of Full HD 1080p select:

4x(1920x1080)+sub(960x576)+1xPlayback

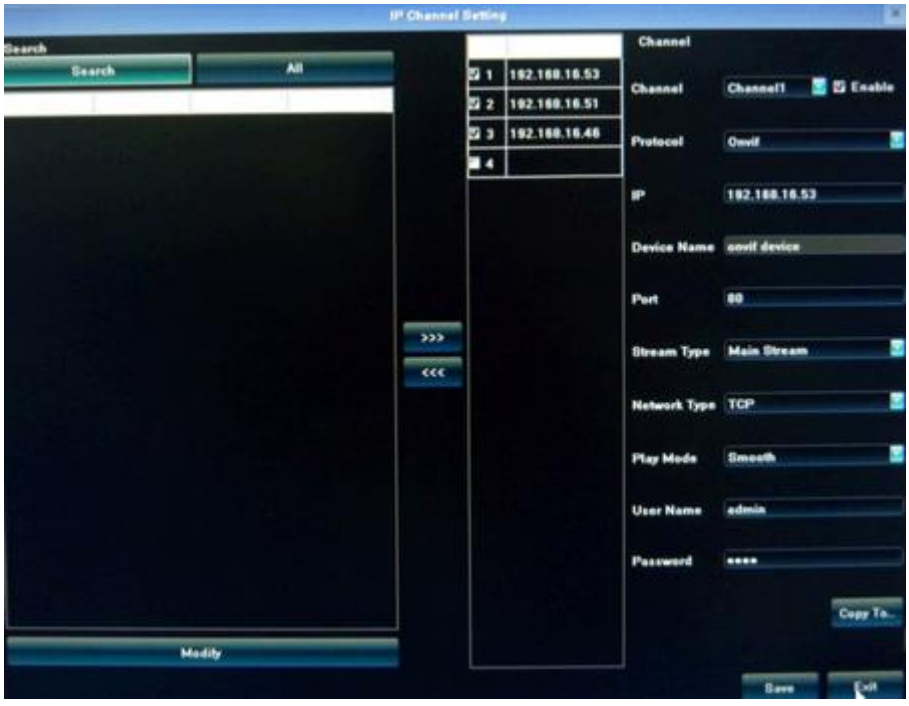
When the monitor switches between a 4 way quad and a full screen image it switched the streams it displays from the lower resolution Sub stream to the Higher resolution Main stream.

Linking cameras to the monitor

To associate the cameras to the monitor, right click on the screen, and select “IP Channel Settings, next select the “Manual” option from the drop down menu as shown below:

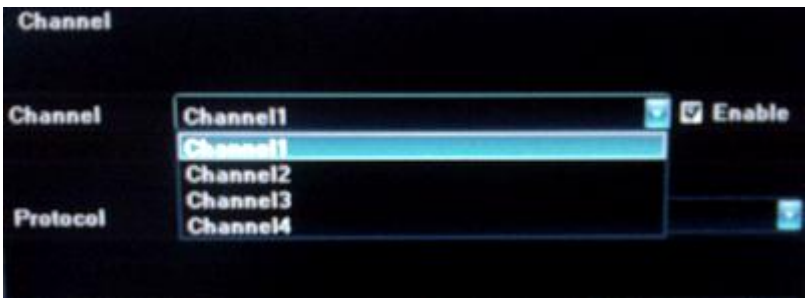


The following menu screen will appear:



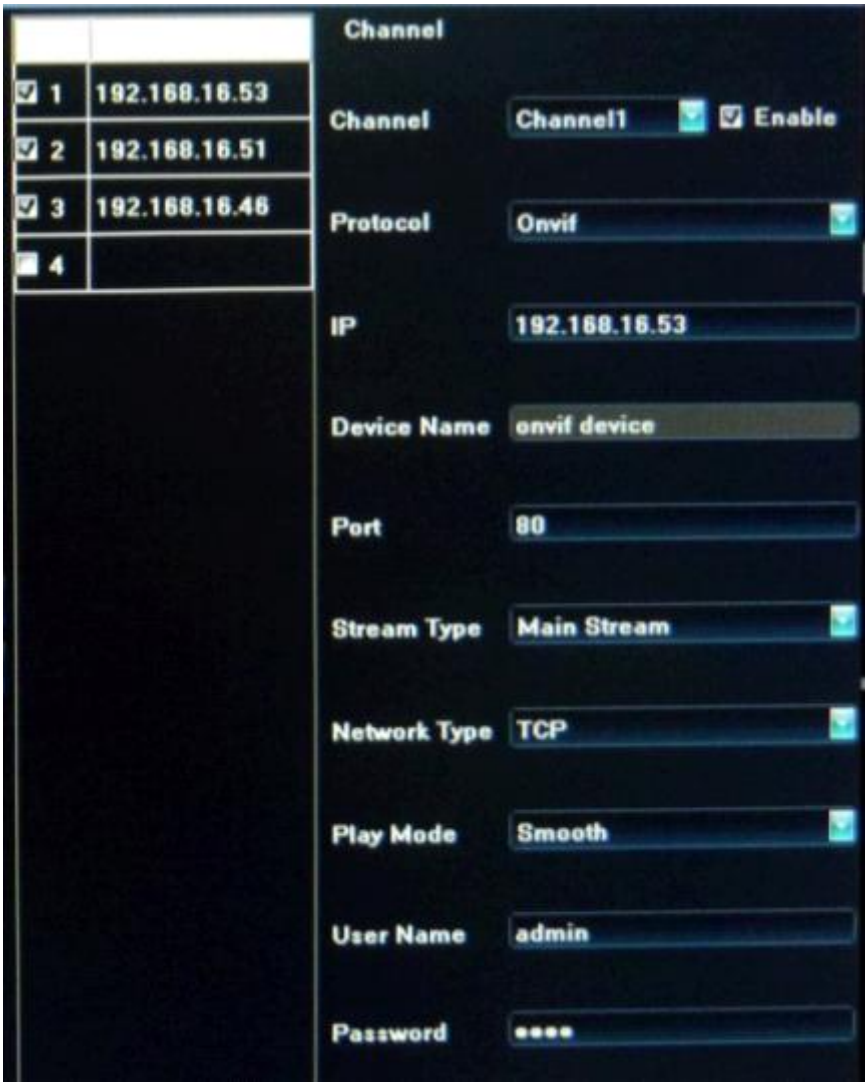
Note: At time of writing the manual the “Search” function was still under development, it is recommended that the cameras are **set manually**, using the right hand section of this menu.

Select the camera channel/input:



Ensure the “Enabled” box on the right is ticked.

Enter the camera details in fields provided:

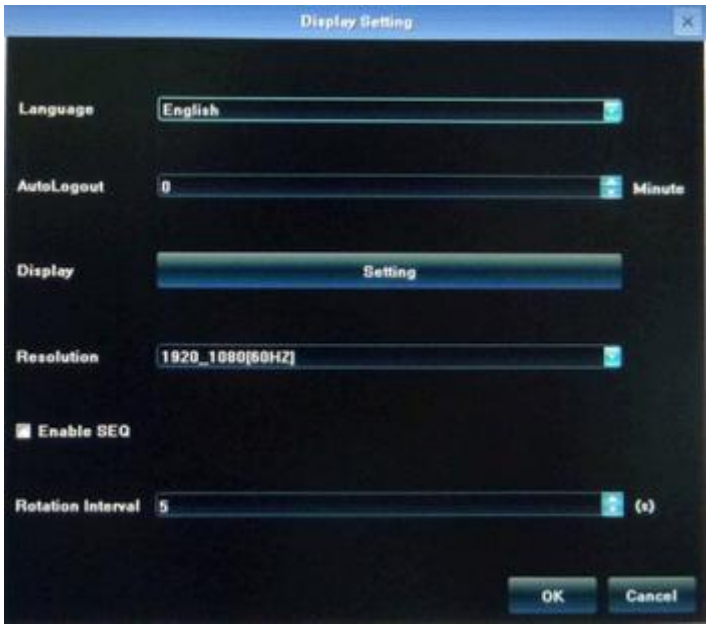


1. Set Protocol to “Onvif”
2. Set relevant IP address of the camera
3. Set the port – Generally to 80.
4. Set the Stream Type to “Main Stream”
5. Set the Network Type to “UDP”
6. Set Play mode to “Smooth”
7. Enter the user name and password for the relevant camera.
8. Click Save.

Repeat for up to 4 cameras.

Setting a full screen sequence

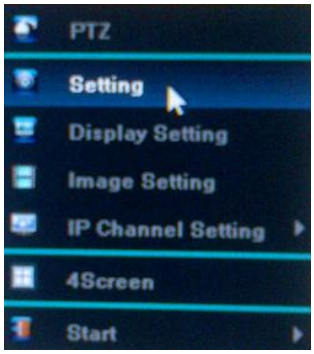
To set the monitor into it's full screen sequence mode, right click on the screen and select the Display Setting option from the menu. The following page will be displayed.



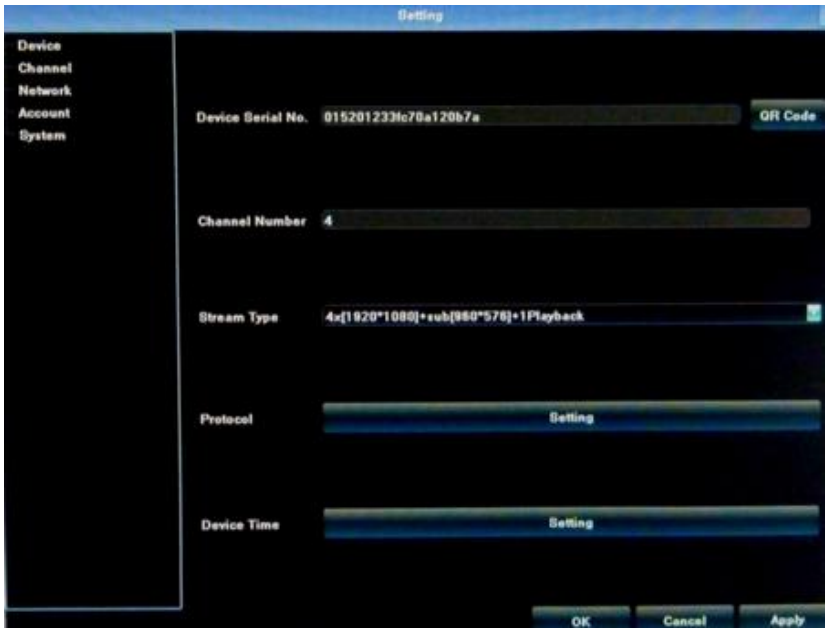
Click on the "Enable SEQ" box , then select the "Retention Interval" for each camera being displayed.

Main Menu settings description

To the Main settings menu of the monitor right click on the screen and select the Settings option:



The following menu page will be displayed:



Device – Device Info

Device Serial Number – Useful for tracing of Warranty's, this can be displayed as a QR Code

Channel Number – Shows the number of cameras that can be connected

Stream Type – Used to set the resolution of the cameras expected by the monitor:

For a single full HD camera select:

1x(1920x1080)+sub(960x576)+1xPlayback

For four cameras of resolution under 1080p select:

1x(1280x960)+sub(960x576)+4xPlayback

For four cameras of resolution of Full HD 1080p select:

4x(1920x1080)+sub(960x576)+1xPlayback

Protocol Setting – Generally set to Onvif but other options available

Device Time – Used the set the Time /Date display on the monitor.

Device – System Version

This displays the Firmware and Hardware versions installed in the monitor.

Device - PTZ Settings

Not supported, no RS485 output on monitor

Devise DST settings

Used the set the Day light saving time settings.

Channel

Channel – Display settings

Used to set up the on screen display of each channel

Channel – Video Parameters

Displayed the video settings of each channel.

Channel – Video Mask

Not supported – Use the Privacy mask function of the camera.

Network

Network – Network Settings

Used to set up the IP network setting of the monitor

Network – DDNS

Used to set up the DDNS (Dynamic Domain Name Service) options of the monitor

Network – NTP

Used to set up NTP (Network Time Protocol)